



Product Evaluation

DR861 | 0617

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: DR-861

Effective Date: June 1, 2017

Re-evaluation Date: July 2018

Product Name: Series SD-8700/10/50 Vinyl Out-Swing Side Hinged French Door, Impact Resistant

Manufacturer: Custom Window Systems, Inc.
1900 SW 44th Ave.
Ocala, FL 34474
(352) 368-6922

General Description:

System	Description	Label Rating	Design Pressure Rating
1	SD-8750 PVC French Door w/SD-8710 Sidelite (Single Swing: SD-8700) (OXXO)	SHD-C70 (151 x 81) Missile Level D	+/-70 psf
2	SD-8750 PVC French Door w/SD-8710 Sidelite (Single Swing: SD-8700) (OXXO)	SHD-C70 (151 x 97) Missile Level D	+/-70 psf

Product Dimensions:

System	Overall Size	Panel Size (2 each)	Daylight Opening Size (2 each)
1	151" X 81"	Door: 37-5/8" x 79-3/16" Sidelite: 33-5/8" x 78-5/8"	Door: 26-5/8" x 68-3/16" Sidelite: 22-5/8" x 67-5/8"
2	151" X 97"	Door: 37-5/8" x 95-3/16" Sidelite: 33-5/8" x 94-5/8"	Door: 26-5/8" x 84-3/16" Sidelite: 22-5/8" x 83-5/8"

Hardware and Components:

System	Component	Quantity	Attachment Method
1, 2	Adjustable Hinges by Hoppe	4	Install hardware and components in accordance with Custom Window System drawing No.: TDI-641, Sheets 1 through 13 of 13. Drawing titled "8700/10/50 PVC Swing Door Impact", dated November 13, 2015, signed & sealed by Lucas A. Turner P.E. on September 29, 2016.
	Mortise Lock by Paddock w/Deadbolt by Delany or Multipoint Lock by Paddock	1 ea.	
	Flush Bolt (used w/mortise lock) by Paddock	2	
	Lock Strike Plates (Each Strike Location)	1 ea.	

Product Identification (Certification Label on Door):

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 138-769 Air/Water/Structural, CAR 138-284 Impact
	Product Name	8750 TB Al/PVC Impact OS French Door w/8710 Sidelite
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05, ASTM E 1886, ASTM E-1996-02/05, Missile Level D
2	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 138-768 Air/Water/Structural, CAR 138-283 Impact
	Product Name	8750 TB Al/PVC Impact OS French Door w/8710 Sidelite
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05, ASTM E 1886, ASTM E-1996-02/05, Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1, 2	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Acceptance of Smaller Assemblies: Door assemblies with dimensions equal to or smaller than those specified are acceptable with the limitations specified in this report.

Installation:

System	Impact Resistant	Requirement
1, 2	Type of Installation	Install and anchor the windows in accordance with Custom Window Systems drawings No. TDI-641, Sheets 1 through 13 of 13, dated November 13, 2015. Drawings signed and sealed on September 29, 2016 by Lucas A. Turner, P.E.
	Wall Framing	
	Fasteners	
	Fastener Location and Spacing	
	Fastener Penetration	

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.